

Comparisons of Job Characteristics

Focus Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Mechanical | 6.8 | 21.8 | 19.7 | < | Expanded education and/or training may be required |
| Engineering and Technology | 5.7 | 10.8 | 8.4 | < | Expanded education and/or training may be required |
| Building and Construction | 4.0 | 10.3 | 3.1 | << | Extensive education and/or training may be required |
| Design | 5.2 | 9.2 | 5.3 | << | Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|---------------------------------------|
| Equipment Maintenance | 3.5 | 11.9 | 13.6 | > | Skill level is likely sufficient |
| Operation Monitoring | 6.6 | 11.9 | 11.0 | 0 | Current skill level may be sufficient |
| Repairing | 3.4 | 11.8 | 14.3 | > | Skill level is likely sufficient |
| Troubleshooting | 4.5 | 11.0 | 12.9 | > | Skill level is likely sufficient |
| Operation and Control | 5.4 | 10.6 | 10.7 | 0 | Current skill level may be sufficient |
| Quality Control Analysis | 5.9 | 10.0 | 11.6 | > | Skill level is likely sufficient |
| Equipment Selection | 3.3 | 8.5 | 10.0 | > | Skill level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 86 | | | |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Farm Equipment Mechanics and Service Technicians (49-3041) Associated Occupation: Maintenance Workers, Machinery (49-9043) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Arm-Hand Steadiness | 6.8 | 10.7 | 12.8 | > | Current ability level is likely sufficient |
| Visualization | 7.5 | 10.0 | 11.1 | > | Current ability level is likely sufficient |
| Reaction Time | 4.8 | 8.4 | 11.6 | >> | Current ability level is likely more than sufficient |
| Static Strength | 5.0 | 8.4 | 10.2 | > | Current ability level is likely sufficient |
| Extent Flexibility | 4.8 | 7.9 | 11.0 | >> | Current ability level is likely more than sufficient |
| Rate Control | 3.8 | 7.1 | 6.7 | 0 | Current ability level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 87 |
|---|-------------------------|---|
| Focus Occupation: Farm Equipment Mechanics and Service Technicians (49-3041) Associated Occupation: Maintenance Workers, Machinery (49-9043) | | |
| Work Activities | Exclusivity of Activity | |
| Adhere to safety procedures | 12 | |
| Adjust or set mechanical controls or components | 69 | |
| Fabricate, assemble, or disassemble manufactured products by hand | 11 | |
| Inspect machinery or equipment to determine adjustments or repairs needed | 42 | |
| Lubricate machinery, equipment, or parts | 59 | |
| Maintain repair records | 65 | |
| Move or fit heavy objects | 8 | |
| Observe or listen to machinery or equipment operation to detect malfunctions | 81 | |
| Operate crane in construction, manufacturing or repair setting | 76 | |
| Perform safety inspections in industrial, manufacturing or repair setting | 32 | |
| Read work order, instructions, formulas, or processing charts | 9 | |
| Repair or replace malfunctioning or worn mechanical components | 62 | |
| Repair sheet metal products | 87 | |
| Test mechanical products or equipment | 56 | |
| Understand service or repair manuals | 40 | |
| Understand technical operating, service or repair manuals | 6 | |
| Use acetylene welding/cutting torch | 54 | |

| | |
|---|----|
| Use hand or power tools | 2 |
| Use knowledge of metric system | 39 |
| Use precision measuring devices in mechanical repair work | 61 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

| Tools and Technologies | Exclusivity |
|---|-------------|
| Tools and technology data is unavailable for one or both occupations. | |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.